

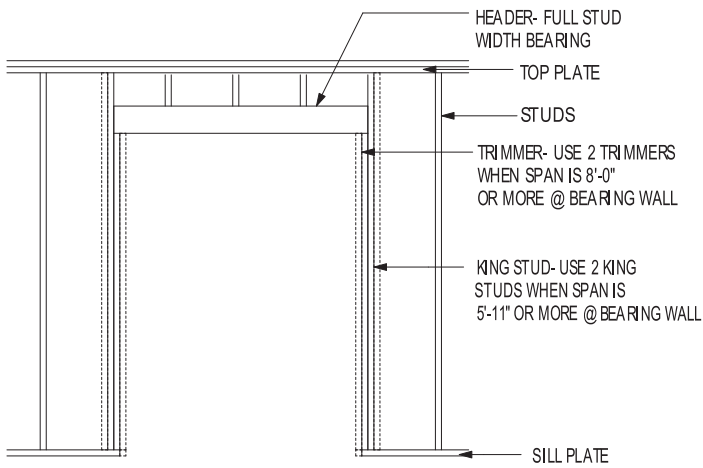
ALLOWABLE SPANS FOR DF #2 ROOF RAFTERS (DF-LARCH) Light Dead Load (up to 15 psf) Max. Roofing Load: 6 psf (Asphalt Shingles) Live Load: 20 psf				ALLOWABLE SPANS FOR DF #2 CEILING JOISTS(DF-LARCH) Dead Load: 10 psf/Live Load: 10 psf			
RAFTER SIZE	SPACING	ALLOWABLE SPAN		JOIST SIZE	SPACING	ALLOWABLE SPAN	
				2x4	24" 16" 12"	9'-10" 11'-3" 12'-5"	
2x6	24" 16" 12"	8'-8" 10'-8" 12'-4"		2x6	24" 16" 12"	15'-6" 17'-8" 19'-6"	
2x8	24" 16" 12"	11'-0" 13'-5" 15'-6"		2x8	24" 16" 12"	20'-5" 23'-4" 25'-8"	
2x10	24" 16" 12"	14'-0" 17'-2" 19'-10"		2x10	12"	26'-0"	
2x12	24" 16" 12"	17'-0" 20'-10" 24'-1"					

ALLOWABLE SPANS FOR DF #2 FLOOR JOISTS (DF-LARCH) Light Dead Load (up to 10 psf) Max. Flooring Load: 1.5 psf (Carpet or Vinyl) Live Load: 40 psf			ALLOWABLE SPANS FOR DF #1 FLOOR GIRDERS(DF-LARCH) Max. Floor Dead Load: 15 psf Max. Tributary Width: 8'-0"			ALLOWABLE SPANS FOR DF#1 HEADERS (DF-LARCH) Maximum span of tributary load: 20'-0"	
JOIST SIZE	SPACING	ALLOWABLE SPAN	SPAN PARTITIONS	NO PARTITIONS	GIRDER SIZE	SPAN	BEAM SIZE
						Up to 4'-0"	4x4
2x6	24" 16" 12"	8'-6" 9'-9" 10'-9"	5'-3"	5'-8"	4x6	4'-1" to 6'-0"	4x6
2x8	24" 16" 12"	11'-3" 12'-10" 14'-2"	6'-10"	7'-4"	4x8	6'-1" to 8'-0"	4x8
2x10	24" 16" 12"	14'-4" 16'-5" 17'-4"				8'-1" to 10'-0"	4x10
2x12	24" 16" 12"	17'-5" 19'-11" 21'-11"				10'-0" to 12'-0"	4x12*

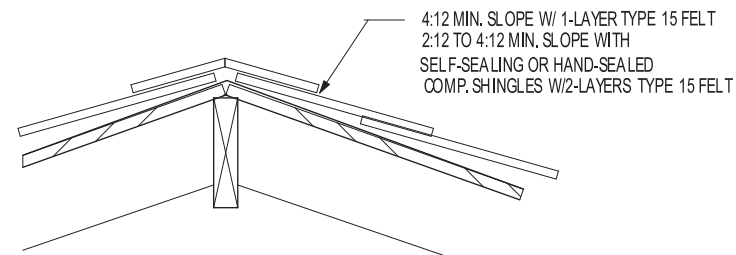
* 4x12 DF No.1 may be used over a 16'-0" garage door in one-story garages without ceilings or open patio or carport structures.

ALLOWABLE SPANS FOR PLYWOOD OR OSB FLOOR AND ROOF SHEATHING CONTINUOUS OVER TWO OR MORE SPANS-PERPENDICULAR TO SUPPORTS							NOTE: APPLIES TO PANELS 24" OR WIDER (UBC SEC. 2312)
SHEATHING GRADES		ROOF				FLOOR	
SPAN RATING	SPAN THICKNESS	MAX. SPAN (IN)		LOADS (PSF)		MAX. SPAN (IN)	
Roof/Floor Span		EDGE SUPPORT(2X BLOCKING)	NO EDGE SUPPORT FOR 1/2", MAX. SPAN +24"	TOTAL LOAD	LIVE LOAD	Panel edges with tongue and groove joints or with blocking	
24/0	7/16, 1/2	24	20	40	30		
24/16	7/16, 1/2	24	24	50	40	16	
32/16	15/32, 1/2, 5/8	32	28	40	30	16	
40/20	19/32, 5/8, 3/4, 7/8	40	32	40	30	20	
48/24	23/32, 3/4, 7/8	48	36	45	35	24	

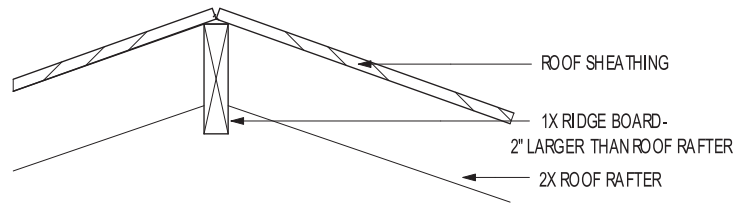
NAILING SCHEDULE (CBC TABLE 23-II-B-1)	
JOIST TO SILL OR GIRDER, TOE NAIL	3-8d
BRIDGING TO JOIST, TOENAIL EACH END	2-8d
SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL	16d @ 16" oc
SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANELS	3-16d per 16"
TOP PLATE TO STUD, END NAIL	2-16d
STUD TO SOLE PLATE	4-8d, TOENAIL, OR 2-16d, END NAIL
DOUBLE STUDS, FACE NAIL	16d @ 24" oc
DOUBLE TOP PLATES, TYPICAL FACE NAIL	16d @ 16" oc
DOUBLE TOP PLATES, LAP SPLICE	8-16d
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL	3-8d
RIM JOIST TO TOP PLATE, TOENAIL	8d @ 6" oc
TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	2-16d
CEILING JOISTS TO PLATE, TOENAIL	3-8d
CONTINUOUS HEADER TO STUD, TOENAIL	4-8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3-16d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3-16d
RAFTER TO PLATE, FACE NAIL	3-8d
BUILT-UP CORNER STUDS	16d @ 24" oc
2" PLANKS	2-16d @ EACH BEARING



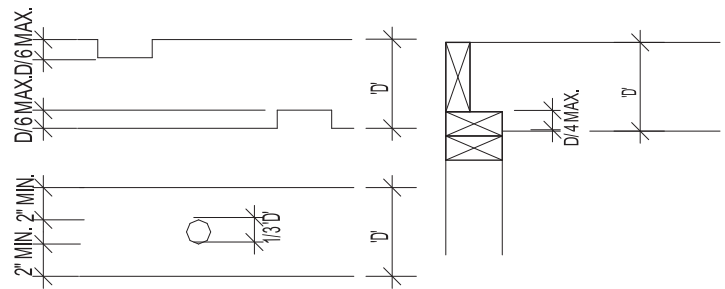
HEADER/ LINTEL (CBC 2320.11.6)



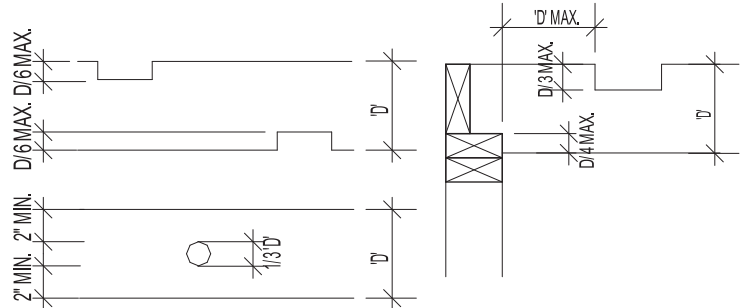
ROOF SLOPE- COMP SHINGLES (CBC TABLE 15-B-1)



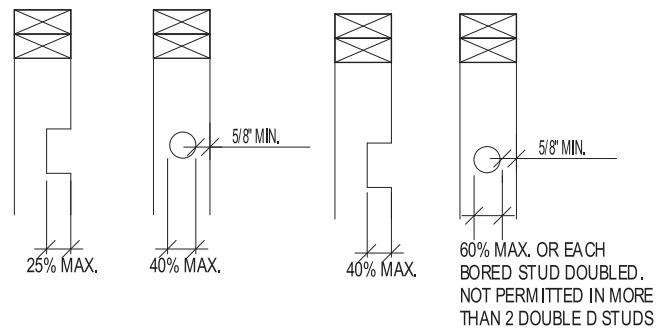
RIDGE (CBC 2320.12.3)



NOTCHING & BORING FLOOR JOISTS (NOTCHING NOT PERMITTED IN MIDDLE 1/3 OF JOIST SPAN)



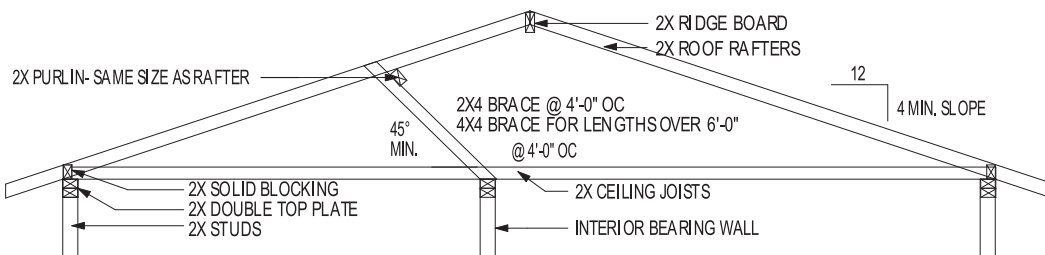
NOTCHING & BORING RAFTERS & CEILING JOISTS (NOTCHING NOT PERMITTED IN MIDDLE 1/3 OF RAFTER OR JOIST SPAN)



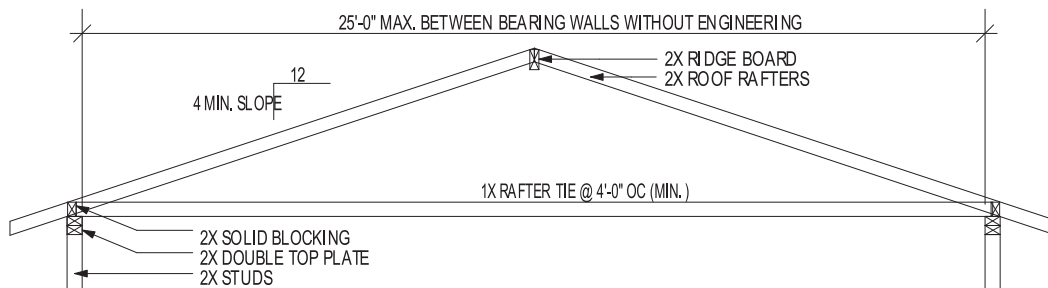
BEARING PARTITIONS

NON-BEARING PARTITIONS

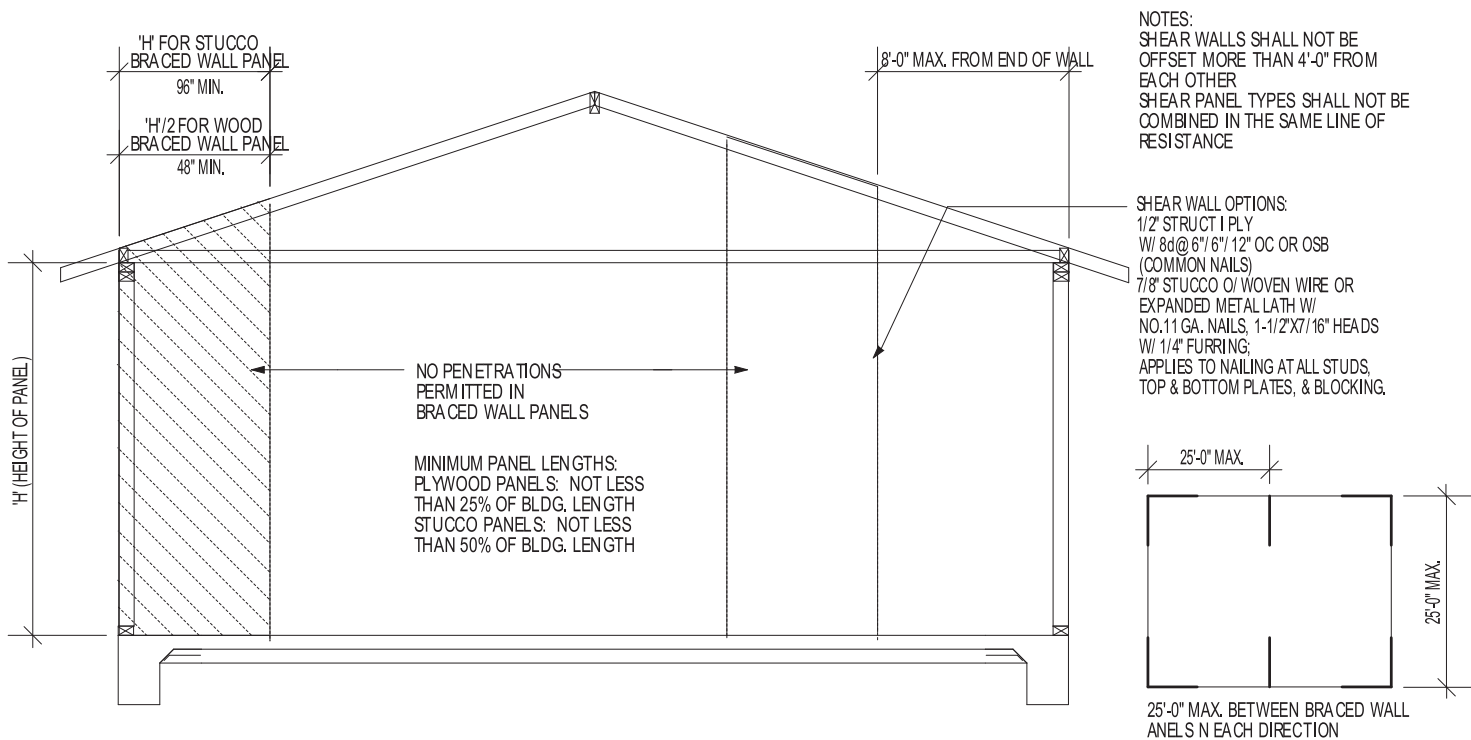
NOTCHING & BORING:
WALL STUDS (CBC 2320.11.9/ 2320.11.10),
RAFTERS/ CEILING JOISTS (CBC 2320.12.4)
FLOOR JOISTS (CBC 2320.8.3)



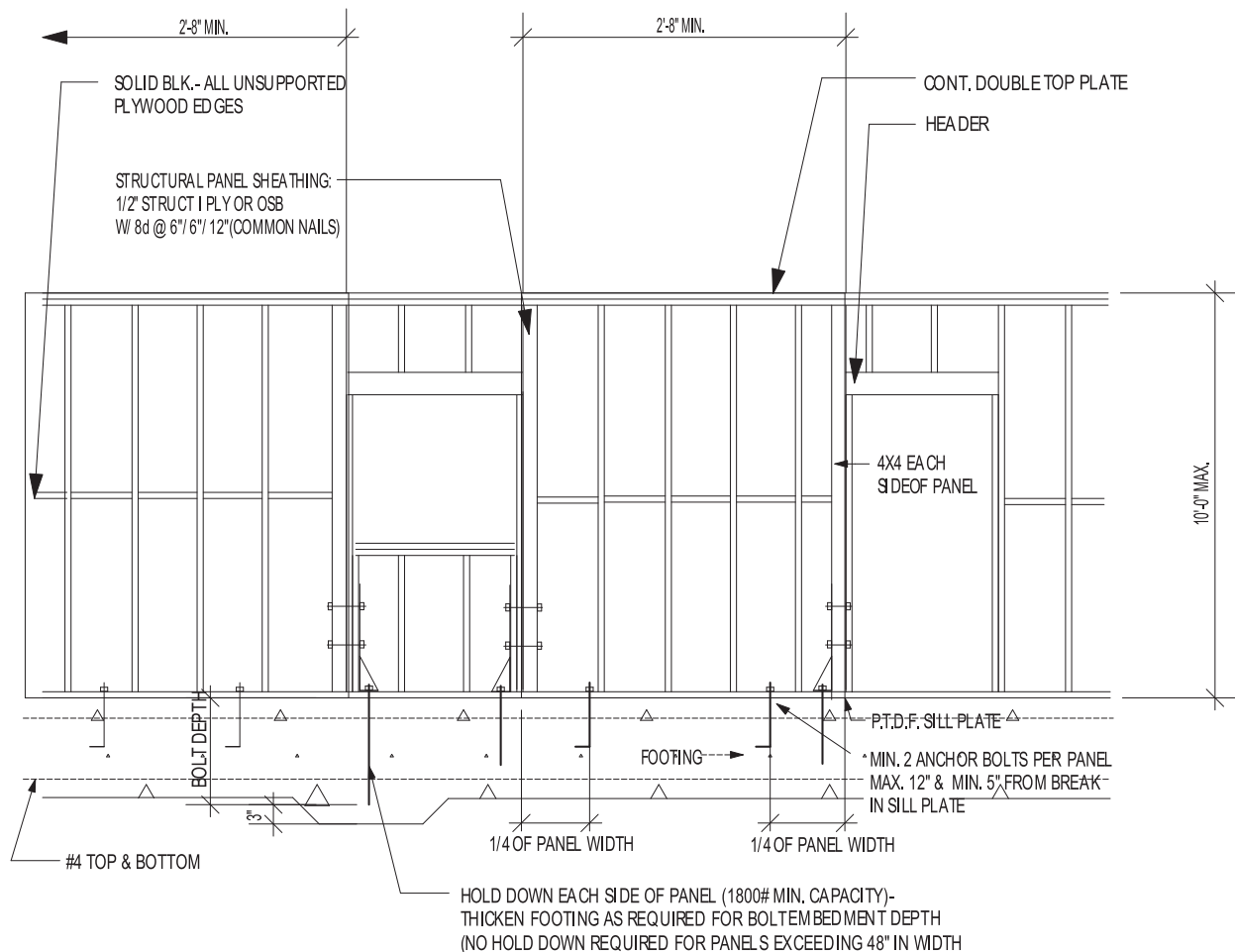
PURLINS (CBC 2320.12.7) (FOR ROOF PITCH NOT LESS THAN 4 VERTICAL TO 12 HORIZONTAL)



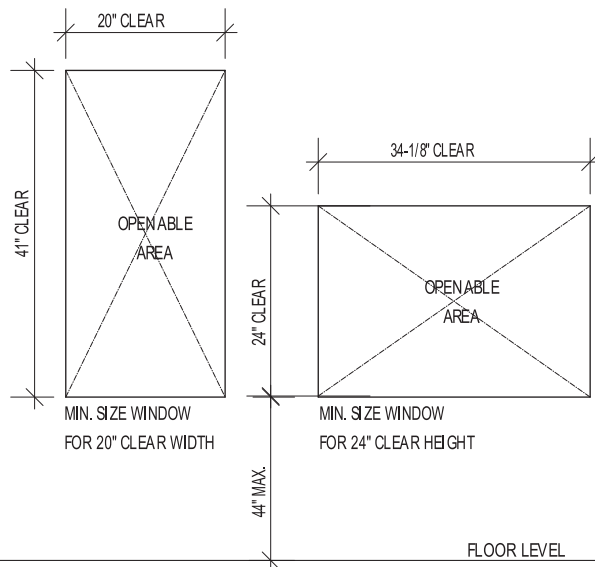
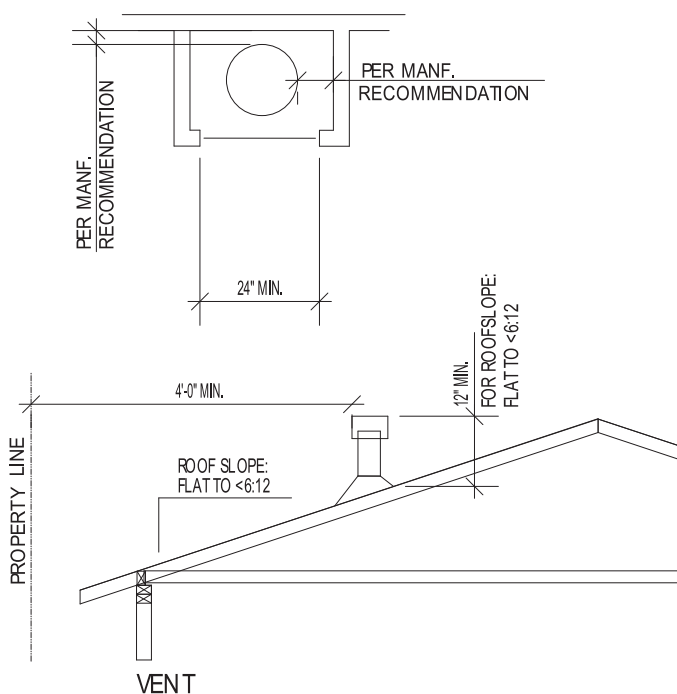
RAFTER TIES (CBC 2320.12.6)



STANDARD BRACED WALL PANELS (CBC 2320.11.3)



ALTERNATE BRACED WALL PANEL (CBC 2320.11.4 AS AMENDED BY LARUCP)-
1-STORY, 'U' OCCUPANCY ONLY (PRIVATE GARAGES, SHEDS, & AGRICULTURAL BUILDINGS)

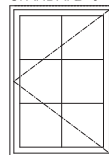


1. 20" MIN. CLEAR WIDTH
2. 24" MIN. CLEAR HEIGHT
3. 5.7 SF MIN. OPENABLE AREA

EMERGENCY ESCAPE/ EXIT WINDOW (CBC 310.4)

THE FOLLOWING WINDOW SIZES WILL BE THE MINIMUM ALLOWED FOR EGRESS UNLESS MANF. DATA IS SUPPLIED

STANDARD 6'-8" HEADER HEIGHT



SINGLE CASEMENT:

2-4 x 4-0

$$2-6 \times 3-6$$

DOUBLE CASEMENT:

 $4-8 \times 4-0$

CASEMENT

7-0 x 4-0

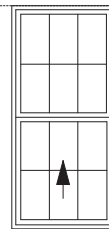
OTHER WINDOW TYPES

AWNING:

NONE W/ O MANF. DATA

BAY W/ FIXED CENTER:

NONE W/O MANF. DATA



SINGLE/ DOUBLE HUNG:

 $3-0 \times 5-0$

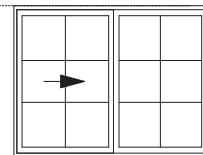
3-0 x 5-6

3-4 x 5-0

 $3-8 \times 5-0$

4-0 x 5-0

SINGLE/ FIVE



SLIDER:

4-0 x 4-0

$$5-0 \times 3-6$$

6-0 x 3-0

SLIDER/ FIXED COMBO:

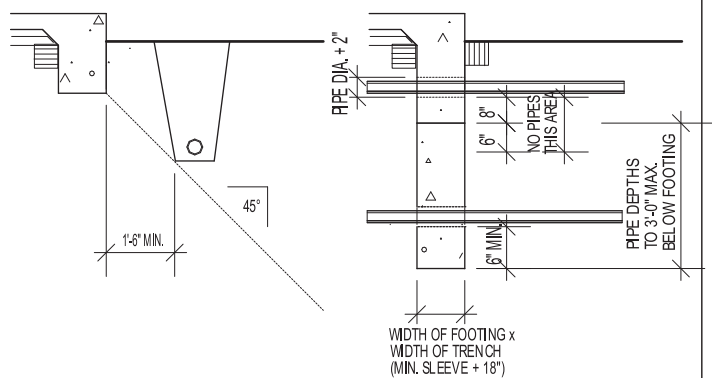
 $8-0 \times 4-$

10-0 X 4.

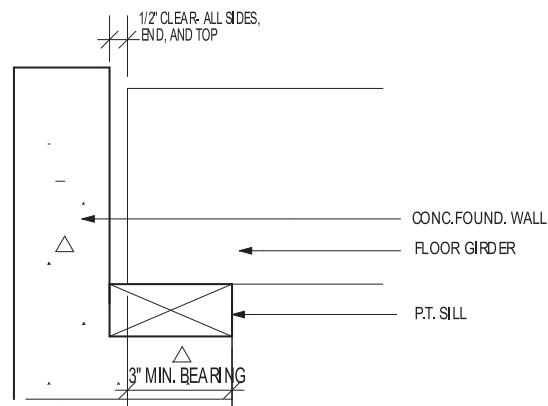
12-0 X 3.

NOTE: SIZES ARE TAKEN FROM DATA SUPPLIED BY WINDOW MANUFACTURERS, HOWEVER THESE ARE GENERAL DIMENSIONS. IT IS THE OWNERS RESPONSIBILITY TO VERIFY THAT THE ACTUAL WINDOWS INSTALLED MEET THE MINIMUM EGRESS REQUIREMENTS.

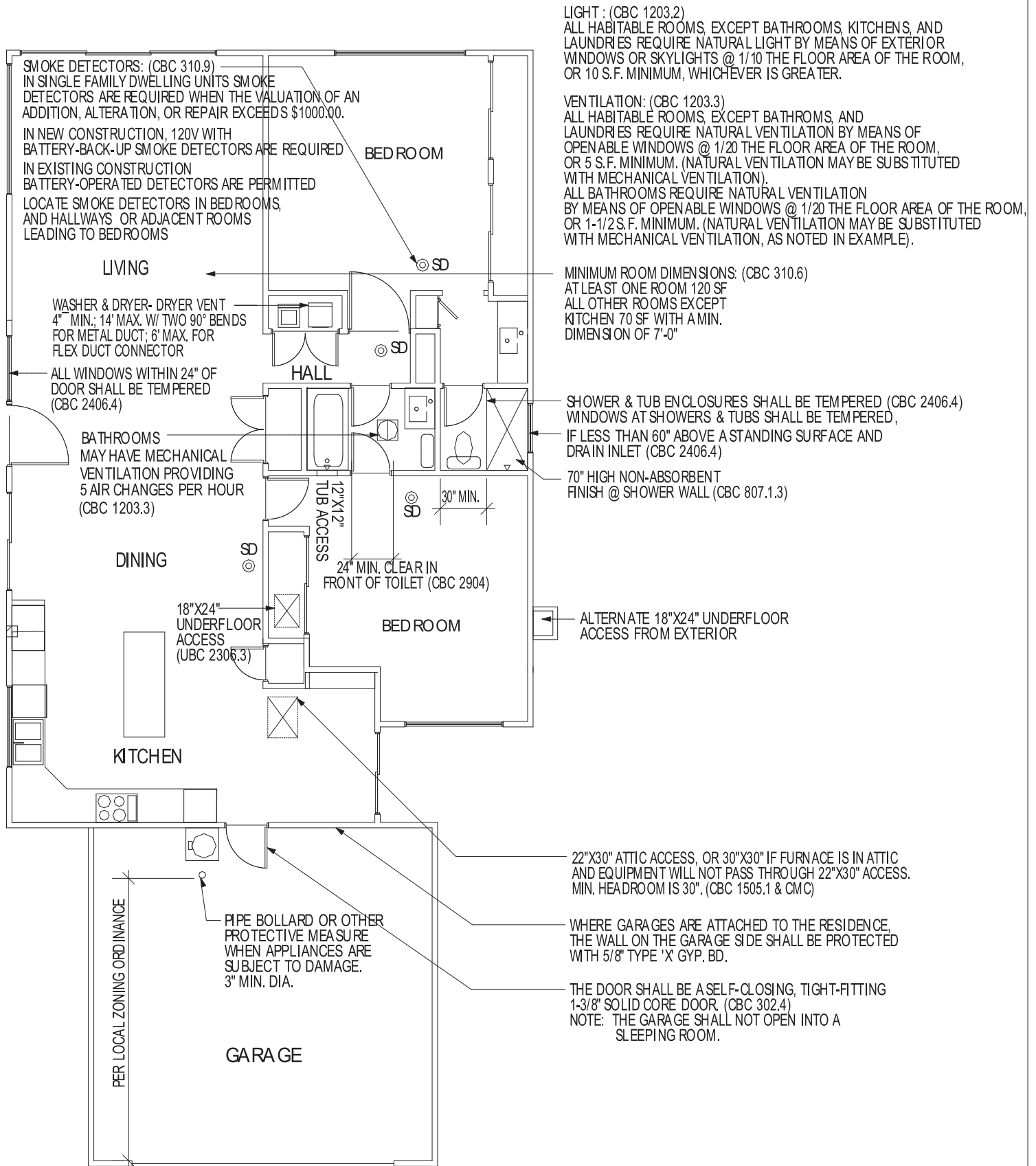
EMERGENCY ESCAPE/ EXIT WINDOW
(CBC 310.4)



TRENCHES AT FOOTINGS



GIRDER (CBC 2320.7/ 2306.6)



RESIDENTIAL REQUIREMENTS